



## Work Instructions

DIRECTIVE NO. 205.W-WI-1040.Y.8  
EFFECTIVE DATE: May 01, 2001  
EXPIRATION DATE: N/A

APPROVED BY: \_\_\_\_\_  
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**Responsible Office:** 205.2/Environmental Office

**Title:** Removal of Contained Oil Spill/Sheen

### P1. PURPOSE

This Work Instruction (WI) establishes procedures to remove oil spills or sheen in a controlled (i.e., nonemergency or post-emergency) situation.

### P2. SCOPE

This WI applies to the removal of controlled oil spills or sheen at Wallops Flight Facility. These procedures shall be executed by qualified personnel of the responsible party (or user/owner) and shall be coordinated with the Safety and/or Environmental Office.

### P3. DEFINITIONS

- 3.1 DEQ: Virginia Department of Environmental Quality
- 3.2 PPE: Personal Protective Equipment

### P4. RECORDS, REPORTS, AND FORMS

Not Applicable

### P5. SAFETY PRECAUTIONS AND WARNING NOTES

**Only qualified and trained personnel shall respond and handle emergency situations where there is an imminent threat to people, facilities, or the environment.**

- 5.1 Ensure your own safety and the safety of your coworkers.
- 5.2 Verify that the spill has been properly contained.
- 5.3 If a hazardous waste spill is not properly contained, notify the WFF Fire Department at (757) 824-1313. Fire Department and Environmental Office staff, refer to 205.W-WI-1040.Y.5, Oil and Hazardous Substance rELRASE Notification.
- 5.4 If an oil tank spill is not properly contained, notify the WFF Fire Department at (757) 824-1313. Fire Department and Environmental Office staff, refer to 205.W-WI-1040.Y.7, Containment of Oil Tank Releases.
- 5.5 An emergency spill kit must be present and easily accessible at all times. All operators shall be aware of the location of an emergency spill kit. Collecting agents, dispersants,

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and sinking agents shall not be used unless previously authorized by the Environmental Office.

## P6. REFERENCES

- 6.1 Spill Prevention, Control, and Countermeasures Plan (SPCC), 40 CFR 112 and Virginia Administrative Code 9 VAC 25-91-170
- 6.2 Hazardous Substance Contingency Plan, 40 CFR 262.34, 9 VAC 20-60-265.
- 6.3 Hazardous Waste Operations and Emergency Response, 29 CFR 1910.120.

## P7. TOOLS, EQUIPMENT, AND MATERIALS

- 7.1 Wallops Flight Facility Oil Tank Emergency Spill Kit:
  - (4) 1 lb of Sorbent Pulp
  - (2) 3" x 48" Sorbent Booms
  - (40) 18" x 18" Double Weight Sorbent Mats
- 7.2 Sorbents (e.g., Vermiculite, Fybersorb, clay, pads)

## P8. INSTRUCTIONS

### 8.1 Oil Release

The cleanup of an oil release will be performed on a case-by-case basis; consult the Environmental Office for specific guidance. In general:

- 8.1.1 Ensure your personal safety. A Tyvek® suit is the recommended appropriate personal protective equipment (PPE)..
- 8.1.2 Place an appropriate sorbent (e.g., Vermiculite, Fybersorb, clay, pads) to absorb the free oil product; remove sorbent when saturated and dispose of properly. It may be necessary to pump the release into an oil/water separator or drum.
- 8.1.3 Once the free product and/or sorbent material are removed, inspect the release area for oil residues. Residues shall be removed to the greatest extent possible by wiping the area with sorbent pads (or comparable material).

### 8.2 Releasing Rainwater From Oil Tank Secondary Containment Area

An oil stain can create a sheen on the surface of rainwater standing in emergency containment areas. It is a direct violation of state law to release rainwater with an oil sheen. Therefore, in the event that there is an oil sheen, release the rainwater in the following manner:

- 8.2.1 Inspect the containment area. If free oil exists, refer to 8.1, above, to remove the oil before proceeding to remove the water and the sheen.
- 8.2.2 Place a sorbent boom around (and/or a sorbent pad onto) the emergency containment area drain grate.

- 8.2.3 Unlock and open the drain valve to the emergency containment area. As the rainwater evacuates, continually monitor the sorbent booms and/or pad to ensure that the oil sheen is properly captured. If the sorbents are not effective, immediately close the drain valve and reconfigure the sorbents.
- 8.2.4 When empty of water, close and lock the emergency containment area drain valve. If there is any oil residue remaining, clean by repeating the above procedures.

### **8.3 Pumping Rainwater From Oil Tank Secondary Containment Area**

- 8.3.1 Inspect the containment area. If free oil exists, refer to 8.1, above, to remove the oil before proceeding to remove the water and the sheen.
- 8.3.2 Place a sorbent boom (and/or sorbent pad) around the sump area.
- 8.3.3 Pump the rainwater from the emergency containment area. As the rainwater evacuates, continually monitor the sorbent materials to ensure that the oil sheen is properly captured. If the sorbents are not effective, immediately cease pumping and reconfigure the sorbents.
- 8.3.4 When empty of water, clean any of the remaining oil residues from the emergency containment.

### **8.4 General**

- 8.4.1 Ensure that all spent sorbents and other contaminated material (e.g., PPE) are properly stored in closed drums for disposal. Call (757) 824-1718 for disposal when the drums are full.
- 8.4.2 Inform the supervisor of any spill response equipment used onsite.

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### CHANGE HISTORY LOG

Revision	Effective Date	Description of Changes
<u>Baseline</u>		